



REPLACEMENT SHEET

Stokesia Vernonia Crepis	1	50
	~~~~~	GTAGGTTTG GGTGTCGGTG AGATCAGTGT
	TTATGAAAGC TCGATCGGTG TTCGATCAAT TCAAATCGAC GAACACGAAA	~~~~~
	~~~~~	~~~~~
Stokesia Vernonia Crepis	51	100
	TCGACCGAAA TCCAACGCAT TTTCTAATTG GGATTTCAGA AATCTGGGAG	
	TCGAACTCAA CAATTCAAAT CTGGAAATAT TAATTGGATC AAGCGGGCGG	~~~~~
	~~~~~	gagaag
Stokesia Vernonia Crepis	101	150
	AAGGTAGCAG AATGTCGGAT TCATATGATG ATC..... GAATG	
	A...TATGAT GATGTCGGAT TCATGTGATG ATCATGATCA GCTGGTGAAA	
	ttgaccataa atcatttatac aacatgggtg ccggcggtcg tggtcggaca	
Stokesia Vernonia Crepis	151	200
	AAAGATCATG ATATGGACGA ACGAGCCCCG ATTGATCCGG CGCCATTCTC	
	GATGATCATA ATATAAACGA ACGTGCACCG GTTGATGCCG CACCATTCTC	
	tccggaaaaat cggcatgga acgtgtctca gttgatccag taaccttctc	
Stokesia Vernonia Crepis	201	250
	GTAAAGTGAT CTAAAGAAAG CAATCCCTGC ACATTGCTTC CGGCGATCCG	
	GTAAAGCGAT CTAAAGAAAG CAATCCCTCC GCATTGCTTC CAGCGATCTG	
	actgagtgaa ttgaagcaag caatccctcc ccattgcttc cagagatctg	
Stokesia Vernonia Crepis	251	300
	CCGTCTGGTC ATCCTGCTAC GTAGTTCAAGG ATCTCATTAT CACCTTCCTT	
	CCATCCGTTTC ATCGTGCTAC GTTGTTCAAGG ATCTCATTAT TACCTTCCTT	
	taatccgctc atcttactat gttgttcaag atctcattat tgcctacatc	
Stokesia Vernonia Crepis	301	350
	TTATACACGG TCGCCAACAC CTACATTCCCT CACCTCCCTC CTCCCTCTAGT	
	TTATACACGC TCGCCAACCTC TTACATTCCCT CTTCTCCCTC CTCCCTCTACC	
	ttctacttcc ttgccaacac atatatccct actttcccta cttagtctagc	
Stokesia Vernonia Crepis	351	400
	TTACTTAGCA TGGCCGGTTT ACTGGTTTG CCAATCTTGC ATCCTCACTG	
	TTACTTAGCA TGGCCCTGTTT ACTGGTTTG CCAATCTTGC ATCCTCACTG	
	ctacttagct tggcccgtt actgggtctg tcaagctagc gtccctactg	
Stokesia Vernonia Crepis	401	450
	TTTATGGGT CCTCGGCCAT GAATGCGGCC ATCATGCCCT TAGTGAGTAC	
	TTTATGGGT CATTGGCCAT GAATGTGGCC ATCATGCTTA TAGTGAGTAC	
	gcttatggat cctcggccac gaatgtggtc accatgcctt tagcaactac	
Stokesia Vernonia Crepis	451	500
	CAGTGGATTG ATAACGCCGT TGGATTGTC CTCCATTCCGG CTCTCCTCAC	
	CAGTGGGTTG ATAACACCCTG TGGATTGTCATC CTCCATTCCCT TTCTTCTCAC	
	acatggtttg acgacactgt gggcttcatac ctccactcat ttctcctcac	
Stokesia Vernonia	501	550
	CCCTTACTTT TCTTGAAAT ACAGCCATCG AAAGCACCCT GCAAACACAA	
	ACCTTACTTT TCTTGAAAT ACAGCCATCG AAAGCACCCT GCCAACACGA	

**Figure 1A**

**REPLACEMENT SHEET**

Crepis	cccgtaattc tcttggaaat tcagtcaccg gaatcaccat tccaacacaa
	551
Stokesia Vernonia Crepis	ATTCACTCGA AAACGAGGAA GTTTACATTCTAGAACTCA GTCCCAGCTC ATTCACTCGA AAACGAGGAG GTTTACATTCTAAAGCCAA GTCCCAGCTC gttcgattga taacgatgaa gtttacattc cggaaaagcaa gtccaaactc
	601
Stokesia Vernonia Crepis	AGGACTTACT CCACATACGA ATTTCTTGAC AACACGCCGTG GTCGAATCCT AGGAATTACT CCAATTCAA ATTTCTTGAC AACACCCCTG GTCGAATCTT gcgcgt.... .atctataa acttcttaac aacccacctg gtcggctgtt
	651
Stokesia Vernonia Crepis	CATCTGGTC ATCATGTTAA CCTTAGGATT TCCTTTATAC CTCTTAACGA CATTTGCTT ATCATGTTGA CCTTGGGCTT TCCTTTATAC CTCTTGACCA gttttgatt atcatgttca cccttaggatt tcctttatac ctcttgacaa
	701
Stokesia Vernonia Crepis	ATGTTTCAGG CAAGAAAGTAC GATAGATTTA CCAACCACCT TGATCCATTG ATATTCAGG CAAGAAATAC CAAAGGTTTG CCAACCACCT TGATCCGTTG atatttccgg caagaaatac gacagggttg ccaaccactt cgaccccatg
	751
Stokesia Vernonia Crepis	AGCCCCGATCT TCACCGAGCG TGAGCGAACATC CAGGGTGCCT TATCAGATCT AGCCCCATCT TCAGTGAGCG TGAACGAATC CAGGTCTGTC TATCGGATGT agtccaaattt tcaaagaacg tgagcgggtt caggtcttcc ttccggatct
	801
Stokesia Vernonia Crepis	TGGTATCGTT GCAGTGTTT ACGGACTCAA GTTTCTTGTAA CAAACAAAAAG GGGTCTCATT GCTGTGTTT ACGGGCTTAA GTTTCTTGTAA CGGAAAAAAAG tggcttctt gccgtgtttt atgaaattaa agttgctgta gcaaataaaag
	851
Stokesia Vernonia Crepis	GATTTGGTTG GGTGATGTGC ATGTATGGAG TTCCAGTGAT AGGTCTGAAT GGTCGGTTG GGTAATGCGC ATGTACGGAG CCCCAGTGGT TGGGCTGAAT gagctgctt ggtacgtgc atgtatggag ttccggattt aggcttattt
	901
Stokesia Vernonia Crepis	TCCTTCATTA TCGTAATCAC TTATCTGCAC CACACACATC TGTCGTCA GCCTTCATAA TAATGATCAC TTATCTCCAC CACACCCATC TGTCTTCGCC accttttcg atgtgatcac cttcttgac cacacccatc agtcgtcgcc
	951
Stokesia Vernonia Crepis	CCATTACGAT TCAACCGAAT GGAACCTGGAT CAAAGGAGCC TTGACCACAA TCATTACGAT TCGACCGAAT GGAACTGGAT CAAAGGAGCC TTGACTACAA tcattatgat tcaactgaat ggaactggat cagagggccc ttgtcagcaa
	1001
Stokesia Vernonia Crepis	TCGACAGAGA TTTCGGTCTC CTGAATCGGG TTTCCACGA CGTTACACAC TCGATAGAGA TTTCGGTCTC CTGAATAGGG TGTTCATGA CGTCACTCAC tcgataggga ctttggattc ctgaatagtg tttccatga tgttacacac
	1051
Stokesia Vernonia	ACCCACGTGT TGCACCATT GTTCCCTAC ATTCCACATT ATCATGCAAA ACAACACGTGT TGCATCATT GTTCCCGTAC ATTCCACATT ATCATGCAAA
	1100

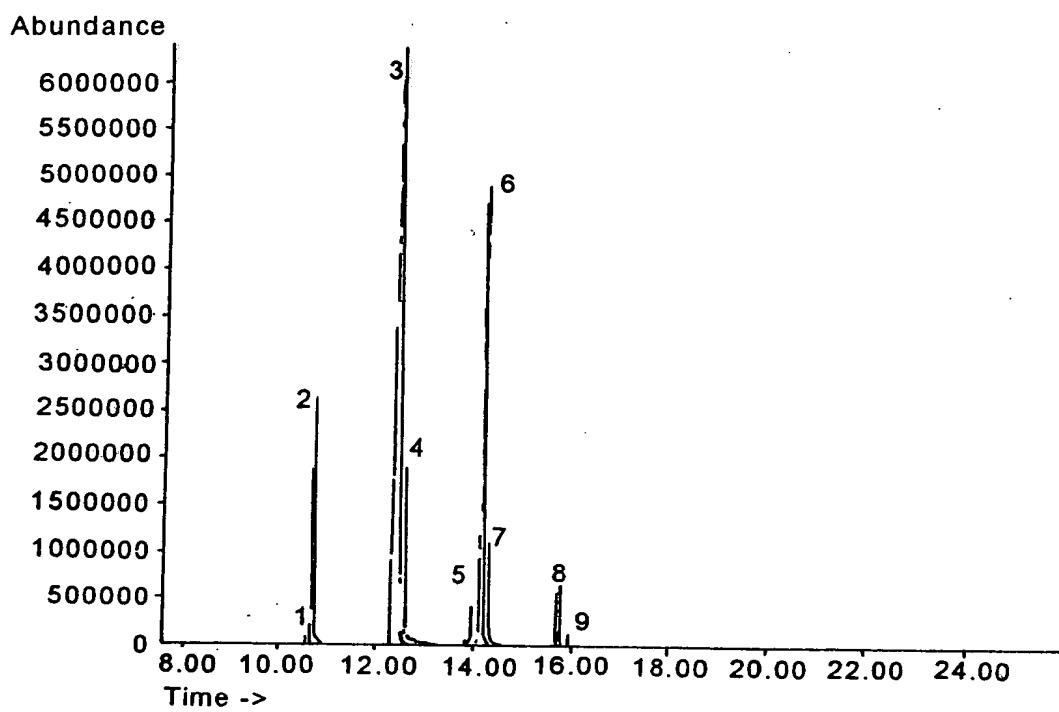
**Figure 1B**

**REPLACEMENT SHEET**

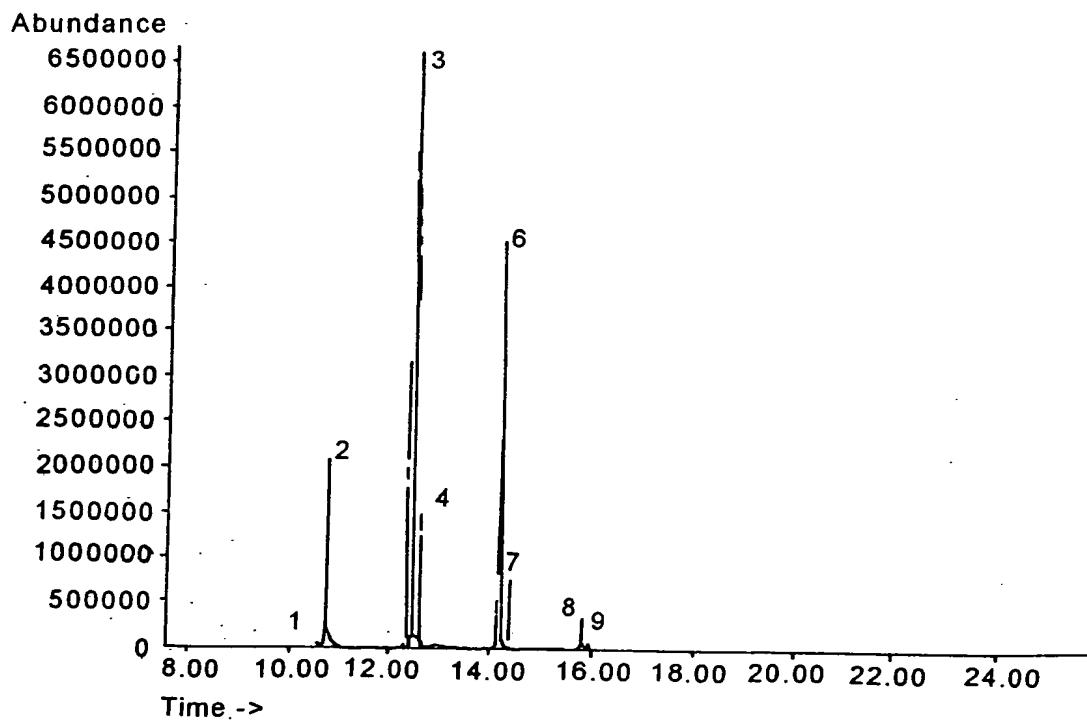
Crepis	actcatgtca tgcattcattt gtttcatac attccacact atcatgcaaa	
Stokesia Vernonia Crepis	1101 GGAGGCCAAGC GAGGCCATCA AGCCAATCTT GGGTGATTAC AGGATGATCG GGAGGCAGC GACGCAATAA AGCCGGTGT AGGGGAGTAT CGGATGATCG ggaggcaagg gatgcataatca agccaatctt gggcgacttt tatatgatcg	1150
Stokesia Vernonia Crepis	1151 ACAGGACTCC ATTTTCAAA GCAATGTGGA GAGAGGCCAA GGAATGCATT ATAGGACTCC GTTTTACAAA GCAATGTGGA GAGAGGCAGA GGAATGCATC acaggactcc aattttaaaa gcaatgtgga gagagggcag ggagtgcatg	1200
Stokesia Vernonia Crepis	1201 TACATCGAGC AAGATGCAGA CAGCAAGCAC AAAGGGACAT ATTGGTACCA TACATCGAGC CAGATGAAGA TAAGAAGCAC AAAGGTGTAT ATTGGTACCA tacatcgagc ctgat..... agcaagctc aaaggtgttt attggatata	1250
Stokesia Vernonia Crepis	1251 TAAAATGTAA TCGATGATGG AGTTTAGTTG GAAATAATGA CATGCAGCAT TAAAATGTGA TACGAGCTGA GTACGTAGTA CGTTGTATGC TTTTGTAAACG taaattgtga tcatatgcaa aatgcacatg cattttcaaa ccctcttagt	1300
Stokesia Vernonia Crepis	1301 CCCTTTGTAA TGCTTGAATC GTTCTATTTC TTTATATGTT TTGTAAGATA TTTGTAAGA TAAATAAATA AATCTTGAAT GAAGATAAAA AAAAAAAA acgtttgttc tatgtataat aaaccgcgg tcctttggtt gactatgcct	1350
Stokesia Vernonia Crepis	1351 AATAAGTAAA TCTTGAGTG AAGATGGGGA GCAGGAAACA AGCAGAATAT AAAAAAAAAA <u>AAAAAAA</u> ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ aagccaggcg aaacagttaa ataatatcg tatgtatgt aatgaaagta	1400
Stokesia Vernonia Crepis	1401 AATACGCTAA AAAAAAAA AAAAAAAA AAAAAAAA ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ ~~~~~ tgtggttgtc tggtttgtt gctatgaaag aaagtatgtg gttgtcggc	1450

**Figure 1C**

**REPLACEMENT SHEET**



**Figure 2A**



**Figure 2B**

Figure 2C

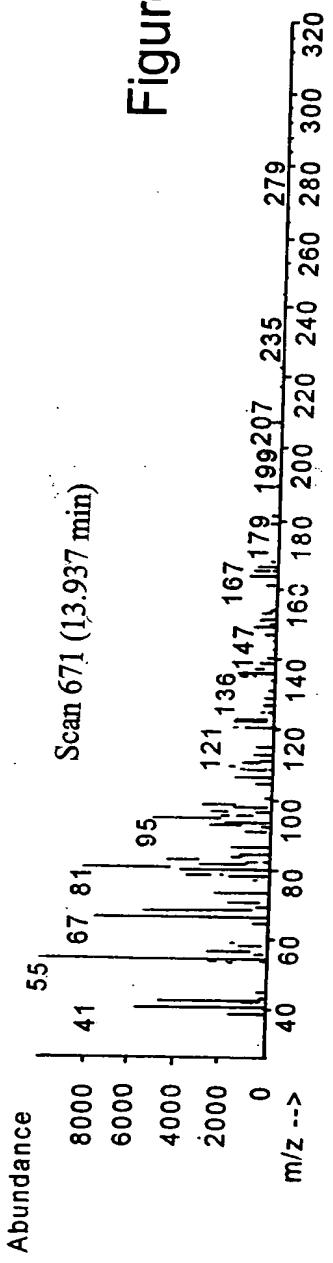
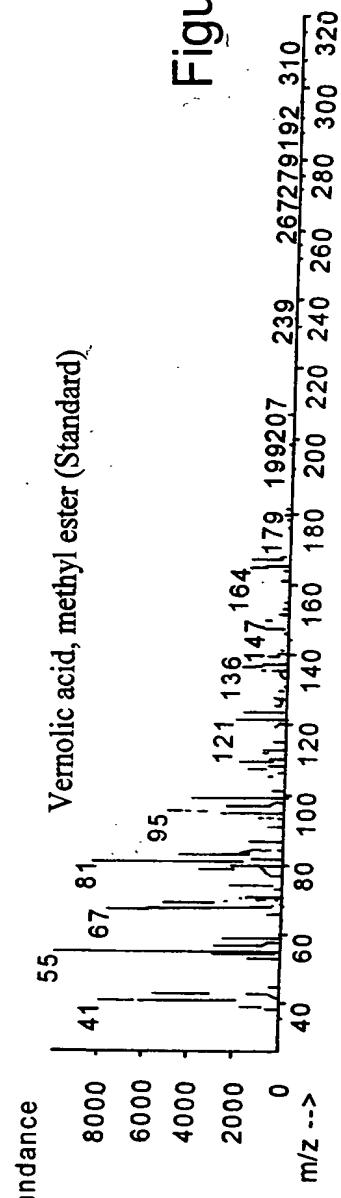


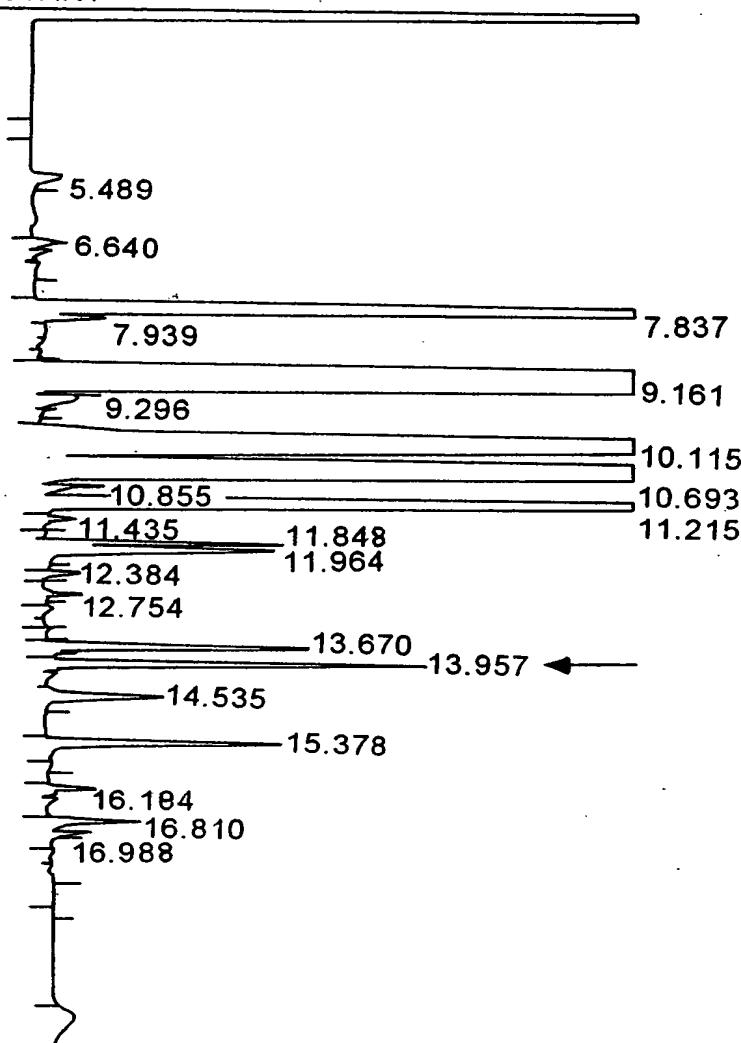
Figure 2D



**REPLACEMENT SHEET**

**Transformed**

RUN # 23      JUN 17, 1903 20:44:29  
START



TOTAL AREA=2992019  
MUL FACTOR=1.0000E+00

SAMPLE#	RUN#	NAME:	KESHUN	SAMPLE#	5
AREA%	RT	AREA	TYPE	WIDTH	AREA%
5.489	2422	PB	.100	.08095	
6.640	2710	BV	.093	.09857	
7.837	213917	BV	.101	7.14959	
7.939	4303	VV	.977	.14382	
9.161	1148278	PV	.217	38.37803	
9.296	3801	VV	.068	.10030	
10.115	329268	BV	.210	11.00461	
10.693	859412	VV	.166	28.72348	
10.855	4063	PV	.094	13.579	
11.215	316476	VB	.095	10.57734	
11.435	2001	PB	.077	.06688	
11.848	13159	PV	.070	.43980	
11.964	18519	VB	.103	.61895	
12.384	1874	BB	.065	.06263	
12.754	2144	BB	.067	.07166	
13.670	14099	BB	.070	.47122	
13.957	22166	PV	.075	.74084	
14.535	10194	PB	.112	.34071	
15.378	13162	PB	.072	.43990	
16.194	3582	BV	.092	.11972	
16.810	5476	PV	.078	.18302	
16.988	1801	VB	.065	.06019	

Figure 3A

## REPLACEMENT SHEET

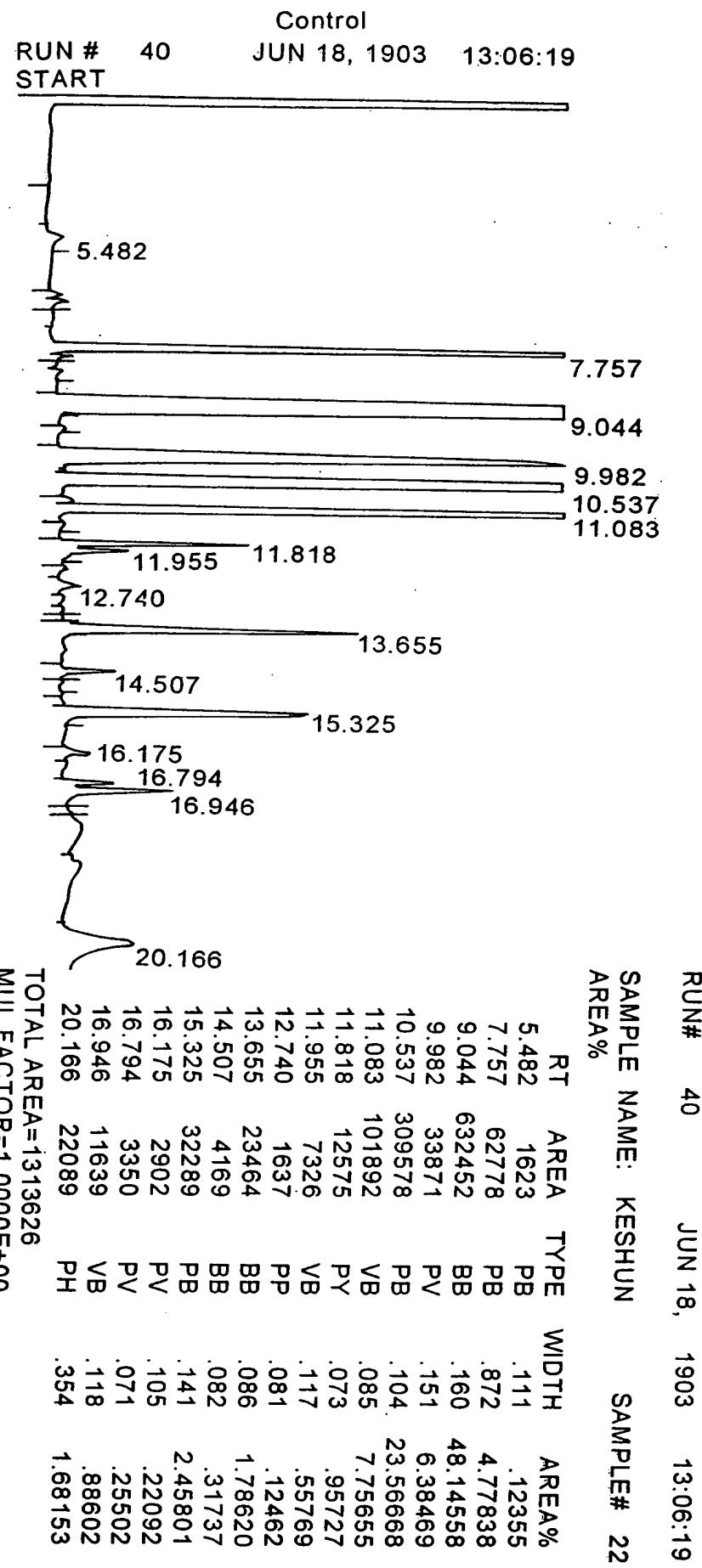


Figure 3B